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(54) HYDROXYPROPYLCELLULOSE HAVING LOW SUBSTITUTION DEGREE

(57) Abstract:

PURPOSE: To provide a hydroxypropylcellulose having a low substitution degree, capable of giving a solution state which is excellent in transparency and stable in a wide temperature range, by controlling the amount of the substituted hydroxypropyl groups.
CONSTITUTION: This hydroxypropylcellulose having a low substitution degree has an average substituted hydroxypropyl group content of 0.1-0.4 mole per glucose unit. Therein, the glucose units each substituted by two or more moles of the hydroxypropyl groups are contained in an amount of $\leq 5\%$ based on the number of all the glucose units, and the transmittancy of a solution containing the hydroxypropylcellulose in a concentration of 2 wt.% in a 10 wt.% sodium hydroxide aqueous solution is $\geq 90\%$ at 10-50°C.

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